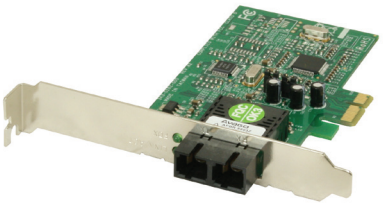
NEW PRODUCT

network interface cards

N-FXE-xx-02

PCI Express Bus 100Base-FX Fiber NIC: Fast Ethernet Fiber NIC for PCI Express



N-FXE-xx-02 is a Fiber Fast Ethernet to PCI-Express (PCIe) bus adapter that fully complies with all IEEE 802.3u and 100Base-FX standards. It provides up to 200Mbps full-duplex bandwidth capacity to support high-end systems. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides added performance, flexible configuration and secure networking to users in a standards-based environment.

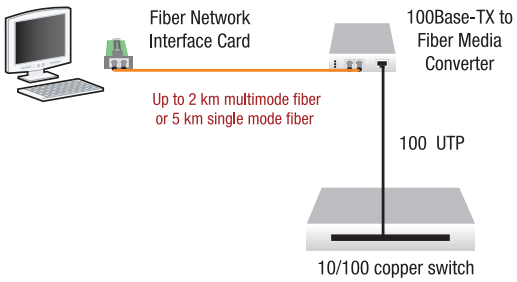
The PCI-Express (PCIe) design gives you the maximum possible bandwidth and bus efficiency, along with low power consumption.

For users equipped with PCI-Express systems, N-FXE-xx-02 provides the ability to easily build or connect to the Fast Ethernet fiber networks.

Features

- PCI-Express x1 Interface
- IEEE 802.3x Full-Duplex Flow Control
- Supports Multicast Frame Filtering
- Supports Asymmetric/Symmetric Flow control
- Supports 802.1q VLAN tagging
- Wake-on-LAN (WoL)
- Microsoft certified drivers
- PXE remote boot support
- RoHS Compliance
- Available with SC, LC multimode and SC single mode fiber connection
- Low-Profile Bracket Included
- Compliant with PCIe Rev 1.1 interface
- Supports Jumbo Frame
- Supports ASF 2.0

100Base-FX


Fiber Network Interface Card
100Base-TX to Fiber Media Converter
Up to 2 km multimode fiber or 5 km single mode fiber
100 UTP
10/100 copper switch

Specifications

Standards	IEEE 802.3u Fast Ethernet 100Base-FX IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN
Bus Slot	PCIe 1.1
Status LEDs	**LINK/ACT (Link/Activity)**: ON = communication link; FLASHING = activity on link **FDX (Full-duplex)**: ON = Full-duplex link
Software Support	Windows 2003, XP, 4.0, Windows 2008 Server, Vista Novell Netware 5.x, 6.x, Linux, PXE Boot ROM
PCB Dimensions	108 mm (L) 68.5 mm (H)
Power Requirement	2.4W max, +3.3 VDC @ 0.7A
Environment	0° – 50°C; 5% – 90% humidity
Shipping Weight	1 lb.
Regulatory Compliance	EMI Standard, FCC Class B, CE Mark
Warranty	Lifetime

Ordering Information

N-FXE-ST-02
100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 12.0 dB

N-FXE-SC-02
100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 12.0 dB

N-FXE-LC-02
100BASE-FX 1300nm multimode (LC)
[2 km/1.2 mi.] Link Budget: 13.0 dB

N-FXE-SC5-02
100BASE-FX 1310nm single mode (SC)
[5 km/3.1 mi.] Link Budget: 12.0 dB